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**From:** Terriquez, Joe [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=431E543AD3B24E7389F6607D4A503CC9-TERRIQUEZ, JOE]  
**Sent:** 8/6/2018 2:46:11 PM  
**To:** Scott, Patricia A. [Scott.PatriciaA@epa.gov]  
**Subject:** FW: Test methods for pesticides fungicides

FYI This for Alt En.

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**From:** Merrill, Raymond  
**Sent:** Monday, August 06, 2018 8:59 AM  
**To:** Pracheil, Brad <brad.pracheil@nebraska.gov>; Dewees, Jason <Dewees.Jason@epa.gov>  
**Cc:** Terriquez, Joe <terriquez.joe@epa.gov>  
**Subject:** RE: Test methods for pesticides fungicides

Brad  
Wow, it's been a long time since I've ventured into the pesticide sampling and analysis world.  
Your question may take some digging starting with EPA's web page: <https://www.epa.gov/pesticide-analytical-methods>.  
Analysis Methods are listed for several of the pesticides you cite @ <https://www.epa.gov/pesticide-analytical-methods/environmental-chemistry-methods-ecm-index>

ASTM has also ventured into this area, back in the 1980's resulting in ASTM Practice D4861-17. ASTM based their ambient Pesticide method on sampling with Method TO-10A. That leads me to believe that our standard sorbent methods for stack sampling should work.

Maybe the fastest way to find out about current air and stack sampling practice for pesticides is to call one of our contacts at the major analysis laboratories we know as stakeholders.

Ray

Raymond Merrill Ph.D. (Ray) | USEPA/OAQPS/AQAD/Measurement Technology Group  
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**From:** Pracheil, Brad [<mailto:brad.pracheil@nebraska.gov>]  
**Sent:** Thursday, August 02, 2018 4:50 PM  
**To:** Merrill, Raymond <[Merrill.Raymond@epa.gov](mailto:Merrill.Raymond@epa.gov)>; Dewees, Jason <[Dewees.Jason@epa.gov](mailto:Dewees.Jason@epa.gov)>  
**Cc:** Terriquez, Joe <[terriquez.joe@epa.gov](mailto:terriquez.joe@epa.gov)>  
**Subject:** Test methods for pesticides fungicides

Hey Ray and Jason,

I hope all is well. Here in Nebraska I have an ethanol plant that is taking in expired seed corn as its feed stock. That seed

**Ex. 5 DP / Ex. 7(A)**

NDEQ is currently doing a sample on the wet cake right now and will take a week or so for the results but an April 2018 sample showed these guys:

Metalaxyl, Thiadendazole, Fludioxonil, imidacloprid, tebuconazole, trifloxystrobin, ipconazole

Any thoughts?

Link below is what is going on

<http://www.coaltecenergy.com/projects/alten/>

Thanks,  
Brad

**Brad Pracheil**

Acting Air Compliance Unit Supervisor  
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